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1.1 Revision #: Rev B	Page 1 of 3
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Procedure Title: C-5 Flight Log Data Editing

SUMMARY OF CHANGE(S): Replaced MC Form 33 with AF Form 4097, updated SPD in Para. 1., updated Para. 2., added Definition 3.6, 3.7, updated and expanded Para. 5., updated Reference 6.1, added Reference 6.2, added Record matrix to Para. 7..

1. PURPOSE: To acquire, correct, correlate and archive C-5A/B flight usage data, AF Form 4097 (flight logs). The flight logs are checked and edited for erroneous data values so that the usage data will be error free when fed into follow on Individual Aircraft Tracking (IAT) crack growth analysis programs. The IAT analysis programs require complete and sequential flight log data. IAT Reports and Data Bases generated/updated from these analysis programs are used by the Aircraft System Program Director (SPD) at WR-ALC/LAES in support of the C-5 ASIP.

2. SCOPE: This document applies to the editing and correction of AF Form 4097 flight log data, the reconciliation of all critical errors and the verification/correction of warning messages prior to the use of this data for structural analysis involving 100% of the C-5 A/B fleet. Usage data is handled in weekly batches for initial editing. The initial AF Form 4097 data is entered by each C-5 MOB weekly. The data is electronically scheduled and pulled in from each of the MOB's once a week and placed into a consolidated data file on the mainframe computer at DISA/DECC-OKC.

3. DEFINITIONS:
3.1 ASIP: Aircraft Structural Integrity Program
3.2 ASIMIS: Aircraft Structural Integrity Management Information System
3.3 IAT: Individual Aircraft Tracking
3.4 TSO: Time Sharing Option
3.5 IMS: Information Management System
3.6 MOB: Main Operating Base (Home base)
3.7 DISA/DECC-OKC: Defense Information Systems Agency – Oklahoma City (Tinker AFB)

4. RESPONSIBILITIES: OC-ALC/ENFO, Tinker AFB OK is the AFMC office of primary responsibility for processing, analyzing, and storing aircraft structural integrity data generated through airborne flight recorders, individual aircraft usage records (flight logs), monitoring devices and applicable maintenance data collection systems. The C-5 ASIMIS Engineer maintains oversight of the C-5 IAT data process. The Aerospace Engineering Technician performs the data entry and edit functions of the program uENFizing data from the AF Form 4097. Flight crews from the operational units prepare and enter the AF Form 4097 for use in the IAT program.

1

5. INSTRUCTIONS: The Aerospace Engineering Technician will perform the following duties:

5.1 Acquire AF Form 4097 (flight logs) from field units, (via mail). Sort and file by tail number, date, and log number.

5.2 Execute C-5 edit program against weekly data file. (Archive the first output error listing.) Review output for warning and critical errors. Identify missing flights. Use G081 Data Base program F8038 (Aircraft Flight Status Data) on IMS to help correct missing flights, flight dates, airframe time, number of sorties, number of landing impacts.

5.3 Correct errors and enter missing flights by editing weekly data file using TSO and mainframe.

5.4 Repeat steps 5.2 and 5.3 unENF all errors are resolved for the weeks worth of data. (Archive the final output error listing.)

5.5 Merge weekly data files into monthly files. Merge monthly files quarterly files.

5.6 Repeat steps 5.2 and 5.3 on the monthly and quarterly files.

5.7 All files and final edits are kept for archives.

6. REFERENCES:

6.1 AF Form 4097, AIR FORCE FORM 4097, (Aircraft Identification/C-5 A/B flight log)

6.2 AFI 11-2C-5V3, C-5 Operations Procedures, Chapter 12.6, Aircraft Structural Integrity Program

6.3 C5-001, Lockheed-Georgia Company Manual: Engineering Training Manual for Operation of the C-5 Fracture Tracking computer System July 1994 Revision

6.4 AFPD 63-10, Aircraft Structural Integrity

6.5 AFI 63-1001, Aircraft Structural Integrity Program

7. RECORDS:

Governing Requirements	Specific Record	Resp Org	Store Site	Form or Rcrd#	Filing Method	Ret. Time	Scrty Class	Remarks	Electronic Records Backup Method
AFI 11-2C-5V3, Chapter 12.6	AF Form 4097	HQ AMC	OC-ALC/ ENFOC	AF4097	Rotary Cabinet	3 yrs	U	Backup reference	DISA/DECC-OKC
ENFOC WI-0001B	F8038 output	OC-ALC/ ENFOC	OC-ALC/ ENFOC	N/A	Users Desk	Temp	U	Used and discarded.	None
ENFOC WI-0001B	Edit listing, working	OC-ALC/ ENFOC	OC-ALC/ ENFOC	N/A	Users Desk	Temp	U	Used and discarded	None
ENFOC WI-0001B	Edit Listings, first & final	OC-ALC/ ENFOC	OC-ALC/ ENFOC	N/A	Rotary Cabinet	3 yrs	U	Backup reference	None

8. ATTACHMENT:

8.1 Flow Chart(s)